

Title (en)
Synthetic paper with multi-layer structure and excellent printing property

Title (de)
Mehrlagiges synthetisches Papier mit ausgezeichneter Bedruckbarkeit

Title (fr)
Papier synthétique multicouche à propriétés d'impression excellentes

Publication
EP 0685331 B2 20051123 (EN)

Application
EP 95102507 A 19950222

Priority
JP 13781794 A 19940530

Abstract (en)
[origin: EP0685331A1] A synthetic paper with a multi-layer structure comprising a biaxially stretched film of an olefinic polymer having a melting point (the peak temperature of the DSC curve) of from 130 DEG C to 210 DEG C containing from 5 to 40% by weight inorganic fine powders having a mean particle size of from 0.01 to 10 μm as a base material layer (A) having adhered to at least one surface thereof a uniaxially stretched layer (B) having a surface roughness of from 0.3 to 1.5 μm , with the uniaxially stretched layer (B) comprising a propylene series polymer or a high-density polyethylene having a melting point (the peak temperature of the DSC curve) of from 120 DEG C to 160 DEG C which is at least 5 DEG C lower than the melting point of the olefinic polymer of the base material layer (A) and from 8 to 65% by weight inorganic fine powders having a mean particle size of from 0.01 to 5 μm , wherein the surfaces of the inorganic fine powders contained in the uniaxially stretched layer (B) are coated with the propylene series copolymer or the high-density polyethylene.

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IPC 8 full level
B32B 7/027 (2019.01); **B32B 27/00** (2006.01); **B32B 27/20** (2006.01); **B32B 27/32** (2006.01)

CPC (source: EP KR US)
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Citation (opposition)
Opponent :
DE 9300963 U1 19930617

Cited by
EP0862991A3; EP1097805A4; EP3902675A4; EP3902674A4; WO03082588A1; US6306490B1; US6787222B2; WO9959813A1; WO2020133157A1; WO2010004002A1; WO2020133156A1; US11890840B2

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